

**TRANSITION METAL COMPLEXES WITH (PYRIDYL)IMIDAZOLE LIGANDS**

**ABSTRACT**

**[0083]** Novel transition metal complexes of iron, cobalt, ruthenium, osmium, and vanadium are described. The transition metal complexes can be used as redox mediators in enzyme-based electrochemical sensors. The transition metal complexes include substituted or unsubstituted (pyridyl)imidazole ligands. Transition metal complexes attached to polymeric backbones are also described.